

## nitrogen gas generators for wine production



Recognizing the importance of having a safe, reliable and cost effective supply of high purity nitrogen for wine production, nano designed and developed the VIN<sub>2</sub> nitrogen gas generator specific for wineries.

Its unique design and energy saving function offer a number of significant advantages over delivered gas options as well as traditional generator designs.

The compact plug and play system can be installed easily with minimal cost and requires only a compressed air system to start production. VIN<sub>2</sub> is ideal for blanketing tanks and bottling product where a high quality, simple, inexpensive nitrogen supply is required.



### features and benefits

#### easy to install

- the compact design allows installation in spaces too small for twin tower generator systems

#### guaranteed performance

- reliable performance based on decades of experience of pressure swing adsorption technology
- 100% function and performance tested at our factory
- 2 year warranty

#### safe & reliable

- eliminates the safety hazards of transporting and storing pressurized gas cylinders or liquid nitrogen

#### environmentally friendly

- lower air consumption and refined controls provide greater energy efficiency
- reduces carbon footprint by eliminating gas delivery to your facility

#### return on investment

- significant cost savings over cylinder or liquid supply provides a typical return on investment of less than 24 months

#### applications include:

blanketing

sparging

transferring

bottling

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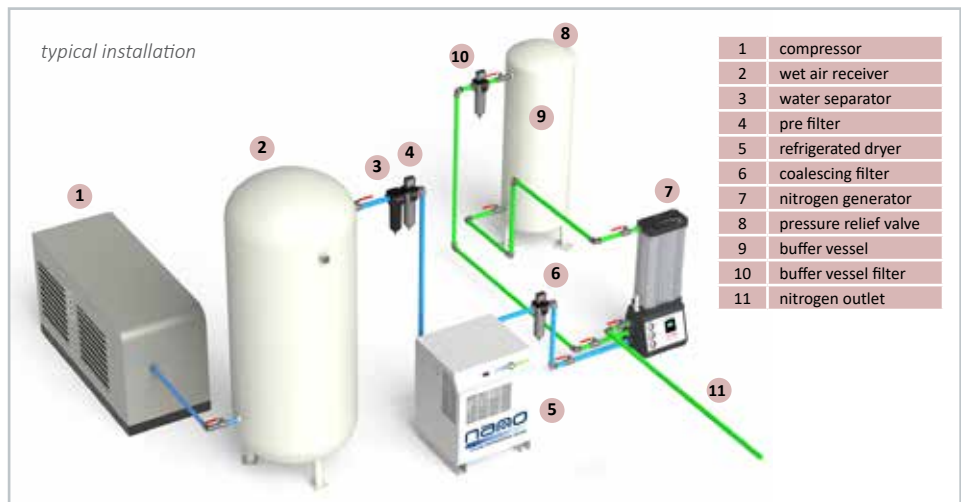
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# technical specification

generator model	rated outlet flow <sup>(1)</sup>	nitrogen purity at the outlet (maximum oxygen content)			
		99.9% (0.1%)	99.5% (0.5%)	99% (1%)	98% (2%)
VIN2 090	scfh	49.4	77.7	95.4	130.7
VIN2 110	scfh	84.8	120.1	151.9	204.8
VIN2 130	scfh	141.3	197.8	250.7	339.0



### specifications

design operating pressure range	87 - 145 psig
design operating temperature range	41 - 122°F
maximum inlet particulate	0.1 micron
maximum inlet oil content	0.01 ppm <sup>(3)</sup>
required inlet dew point	+38°F PDP <sup>(2)</sup>
supply voltage	100 - 240 VAC (50 or 60Hz) or 24VDC

### pressure correction factors<sup>(4)</sup>

operating pressure (psig)	90	100	115	130	145
correction factor	0.90	1.00	1.10	1.20	1.25

### temperature correction factors<sup>(4)</sup>

inlet air temperature (°F)	41	50	59	68	77	86	95	104	113	122
correction factor	0.8	0.9	0.94	1.00	1.00	0.98	0.95	0.90	0.85	0.72

(1) at 100 psig inlet pressure and 68 - 77°F inlet temperature. For outlet flow at all other conditions refer to the correction factors above or contact support@n-psi.com

(2) requires an upstream dryer. Contact nano for assistance selecting the optimum dryer for your application

(3) including oil vapor

(4) to be used as a rough guide only. All applications should be confirmed by nano. Contact us for sizing assistance